

# CAL POLY Report

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## DATELINE

(\$) – Admission charged

### Exhibits:

**Club 221 (UU):** "Plight of Black America" by photographer Joe Schwartz. Through Feb. 9. Hours: Monday-Friday noon-5 p.m.  
**University Art Gallery (Dexter Building):** "Vienna Exposed." Through Friday (Feb. 2). Slide lecture: 6 p.m. Friday, Dexter 227. Hours: Daily 11 a.m.-4 p.m. and Wednesday 7-9 p.m.

### Wednesday, January 31

**Materials Engineering Student Societies Seminar:** Rob Ritchie (UC Berkeley), "Structural Disasters Due to Fatigue," Engineering West 011, 6 p.m.

**Music:** Richard Green, BackStage Pizza, noon.

**Ag Biotechnology Colloquium:** T. Peter Karnezos (Alltech), UU 220, 3:10 p.m.

**Film:** "Life and Hope Under Terror," by Professor Maliha Zulfacar, Science A-12, 6 p.m.

**Video:** "The Color of Fear," Science E-27, 7 p.m.

**Music:** Student piano recital, Davidson Music Center 218, 7:30 p.m.

### Thursday, February 1

**Dance Concert:** "Dance Perspectives," Orchesis Dance Company. Also Feb. 2-3 and 8-10. Theatre, 8 p.m. (\$)

### Friday, February 2

**Speaker:** Anne Goshen (Counseling Services), "Depression and Manic-Depression — There is Help," Smith Alumni Center, 10 a.m.

**Dance Concert:** "Dance Perspectives," Orchesis Dance Company. Also Feb. 3 and 8-10. Theatre, 8 p.m. (\$)

### Saturday, February 3

**Cardboard Boat Regatta:** Rec Center Pool, 10 a.m.-1 p.m.

**Dance Concert:** "Dance Perspectives," Orchesis Dance Company. Also Feb. 8-10. Theatre, 8 p.m. (\$)

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## 'Cyrano' comes calling

London's Aquila Theatre Company will bring "Cyrano de Bergerac" to the Cohan Center's Harman Hall Feb. 7. (See story, page 3.)

## Biotech expert to give Centennial talk Feb. 8

Dr. Patrick Scannon, founder and chief scientific and medical officer of leading biotech firm XOMA Ltd. of Berkeley, will talk about "Biotechnology: Past and Present" at 4:10 p.m. Feb. 8 in Chumash Auditorium.

The talk is the keynote for the Feb. 8-10 Bioremediation Symposium and one in a series of Centennial Biotechnology Lectures sponsored by the Provost's Office and the Environmental Biotechnology Institute (EBI).

XOMA Ltd. is a world leader in developing drugs that use the disease-fighting molecules of the human immune system to treat infections, autoimmune diseases and cancer.

Since 1980 Scannon has directed XOMA's product identification, evaluation and clinical testing programs. He heads the organization's research program, which has made and evaluated several classes of biologic compounds. Continued on page 3

## Cal Poly to represent U.S. in international contest

Three Cal Poly undergraduates have been chosen to represent the United States in an international dairy products judging competition.

The three members of Cal Poly's national-champion team plus two South Dakota undergrads make up the American team, which will compete at the European Dairy Products Judging Contest in La Rochelle, France, in March.

The honor follows the Cal Poly team's first-place finishes in both regional and national competition.

The team members are Sarah Renner, a dairy science junior, Marcia Bugbee, an agribusiness senior, and Renee McLaughlin, an agricultural science junior — all from Fortuna in Humboldt County.

Dairy science faculty member and Cal Poly team coach William Gillis will coach the U.S. team.

The Foundation of the International Association of Food Industry Suppliers and the U.S. Department of Agriculture Continued on page 4

## Physicist to talk Feb. 8-9 on nuclear power, universe

Low-level radiation emitted from nuclear power plants is more dangerous to our health than previously thought, according to recent research by an eminent physicist who will give three public talks — two of them on the nature of the universe — at Cal Poly Feb. 8-9.

"Increasing evidence has accumulated," says Ernest J. Sternglass, professor emeritus of radiation physics at the University of Pittsburgh School of Medicine, "that the effects of very low concentrations of radioactive materials produced in the course of fission of uranium or plutonium and released into the environment have had much more serious adverse effects on human health and child development than had been expected on the

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## Cardboard Boat Regatta moves to Rec Center pool

The pool at the Recreation Center will be the new venue for the College of Architecture and Environmental Design's Cardboard Boat Regatta, to be held 10 a.m.-1 p.m. Saturday (Feb. 3). The finals will launch at high noon.

Each of 34 architectural design students has been given the assignment of creating a water-worthy vessel from only two sheets of 4-foot-by-6-foot corrugated cardboard, brown paper tape, and clear polyurethane waterproofing. Each captain must then keep his or her cardboard boat afloat to navigate the regatta course.

This year's champion will be awarded the "Cardboard Cup."

"The regatta allows the students to combine their problem-solving and structural-design skills with their own research and imagination to create a buoyant craft," said Architecture Professor Howard Weisenthal.

The regatta will be postponed if the weather requires it. To check the status, call ext. 6-1366 Saturday morning.

For more information, call the Architecture Department at ext. 6-2491. □

## Film on Afghan conflict screens at 6 p.m. today

A documentary film produced by Social Sciences Professor Maliha Zulfacar about 21 years of conflict in Afghanistan will be shown from 6 to 7:30 p.m. today in Room A-12 of the Science Building.

Zulfacar based the film, "Life and Hope Under Terror," on a trip she made last summer to Afghanistan. It deals with the effect of 21 years of ethnic and civil conflict on civilians in an Afghan village.

For more information call Social Sciences at 6-2752 or 2260. □

## COM DEV exec to speak

Joshua Lober, vice president of COM DEV Wireless Group, Digital and Software Systems, of San Luis Obispo, will give a public talk at 7 p.m. Tuesday (Feb. 6) at the monthly meeting of the Institute of Electrical and Electronics Engineers' Central Coast Section.

The talk will be in Room 206 of Engineering East. Refreshments will be available at about 6:30 p.m. □

## Video on racial identity, racism shows tonight

"The Color of Fear," a video described as "a powerful and candid dialogue on racism and racial identity," will be shown at 7 p.m. today in Room E-27 of the Science Building.

Sponsored by the Newman Catholic Center, the University Christian Community, Student Community Services and the Multicultural Center, the screening will be followed by small-group discussions.

For more information, call the Newman Center at 543-4105. □

## 'WINGED' workshops to be focus of Feb. 7 discussion

A panel discussion about Cal Poly's WINGED (Writing in General Education) workshops is planned from noon to 1 p.m. Feb. 7 in Room 510 in the library.

WINGED workshops are designed to provide faculty members from any discipline with ways to use writing effectively in teaching.

Past participants of the program will talk about the importance of writing to learning in general, describe their experience, and answer questions.

Panel members include Melody DeMeritt, WINGED coordinator and member of the English faculty; Michael Lucas, Architecture; Bette Tryon, Psychology and Human Development; and Joel Westwood, English.

Lunch will be provided to those who reserve a space by Friday (Feb. 2).

For reservations, call Cathy Joubert at ext. 6-2227 or e-mail her at [cjoubert@calpoly.edu](mailto:cjoubert@calpoly.edu). □

## Northwestern prof to talk on women and engineering

Julia Weertman, an award-winning engineer, physicist and professor emerita at Northwestern University, will address issues of women and engineering at 6 p.m. Tuesday (Feb. 6) in the Cohan Center's Philips Hall and give a technical talk earlier in the day.

Weertman will present "Women in Engineering: How to Succeed Without Giving Up Too Much" as the second in the Women in Science and Technology Series 2001, sponsored by the Women's Studies Program. Drawing on a lifetime of achievement as a scientist, she will explore issues confronting women as scientists generally and as engineers in particular. For more information on this talk, contact Women's Studies at ext. 6-1525.

She will present "Small is Strong: Nanocrystalline Materials" to a Materials Engineering Student Societies Seminar at 11 a.m. Tuesday in Room 203 of the Air Conditioning Building. For information on this talk, call Materials Engineering at ext. 6-6634.

A specialist in the mechanical behavior of metals and alloys, Weertman is a member of the National Academy of Engineering and serves on its Council. She is also a member of the Committee on Women in Science and Engineering and received the Achievement Award from the Society of Women Engineering in 1991. □

## New speaker, same topic for today's Ag Biotech talk

The speaker has changed but not the topic for today's College of Agriculture colloquium on "So Who Said Agricultural Biotechnology Was Boring?"

T. Peter Karnezos, technical director for Improcrop, an agronomic division of Alltech Inc., and vice president of U.S. sales for Alltech, will speak at 3:10 p.m. in UU 220.

Karnezos received his bachelor's and master's degrees from the University of Natal in South Africa. He earned a doctorate in agronomy from Texas Tech University in Lubbock. □

## CPR schedule

The *Cal Poly Report* is published every Wednesday during the academic year.

Articles are due to Public Affairs by 10 a.m. Wednesday for the following week's edition. Items can be e-mailed to [polynews@polymail](mailto:polynews@polymail) (add [calpoly.edu](mailto:calpoly.edu) if needed), or mailed to Public Affairs, Heron Hall.

For details, call ext. 6-1511. □



## Nominations sought for top staff award

The deadline to make nominations for the 2000-2001 Outstanding Staff Employee Award is Feb. 16.

The award, given every year since 1972, is presented by the President's Office.

To be eligible, nominees must be full-time or part-time employees of the university, Foundation or ASI who are in at least their third year of employment at Cal Poly and not represented by bargaining unit 3. Former recipients of the award are ineligible to receive it again.

To be considered for the award, an employee should be truly dedicated and loyal; exhibit expertise in job performance; demonstrate a willingness to assist others enthusiastically; take initiative in making his or her department more efficient and productive; maintain an excellent relationship with co-workers, faculty members and students; and make contributions to both the university and the community.

Any staff employee, faculty member, or department or division head may nominate an eligible employee for the award.

To make a nomination, complete all categories on the form, which has been mailed to all employees. The form is also available online at <http://www.afd.calpoly.edu/hree/forms/HRforms.htm> and from French Morgan, chair of the Outstanding Staff Employee Award Selection Committee. For a form as a Word document, call Morgan at ext. 6-2701 or e-mail him at [fmorgan@calpoly.edu](mailto:fmorgan@calpoly.edu).

Send completed forms to him in the Biological Sciences Department. □

## Ticket information

Tickets to the performances listed in today's *Cal Poly Report* are on sale at the Performing Arts Ticket Office 10 a.m.-6 p.m. weekdays and 10 a.m.-4 p.m. Saturdays. Call ext. 6-2787, or fax your order to ext. 6-6088. Tickets can also be bought online via [Tickets.com](http://Tickets.com). Visit the Performing Arts Center's Web site at [pacslo.org](http://pacslo.org) and click on "Event Calendar."

Information on Cal Poly Arts events, including audio and video samples of artists' work, can be found on the Web at [www.calpolyarts.org](http://www.calpolyarts.org). □

## Cohan Center plans Open House Sunday

Visitors can get both a bird's-eye and a worm's-eye view of Harman Hall during the Cohan Center's Open House 1-5 p.m. Sunday (Feb. 4), when the center will be open for self-guided backstage tours and a variety of entertainment.

The Higher Movement Dance and Drum troupe will perform in the center's outdoor plaza at 1:30 p.m. and local folk singers Bob and Wendy, along with Sal Garza, will perform at 3 p.m. in the Pavilion.

Center officials describe the tour as a top-to-bottom, behind-the-scenes look that provides a glimpse into standard operations such as ticketing and sound engineering as well as an opportunity to climb up into the hall's chandelier and down into the trap room beneath the stage. The tour also allows entry to the control booth and "followspot" booth and access to the main stage and stage manager's console.

During the open house, information will be available on upcoming performances, volunteer and employment opportunities, and local performing arts organizations.

The open house is free and no reservations or tickets are needed. Flat-heeled shoes are recommended for those taking the tour.

For more information, call the Performing Arts Ticket Office at ext. 6-2787. □

## Biotech . . .

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Scannon earned a doctorate in organic chemistry from UC Berkeley and a medical degree from the Medical College of Georgia. He is a Board-certified internist and a member of the American College of Physicians.

Scannon serves as a consultant to NASA concerning Mars probe missions. He holds several U.S. patents and has published numerous scientific abstracts and papers.

Refreshments will be served before the lecture, at 3:30 p.m.

For more information, call the EBI at ext. 6-2749 or visit the symposium's Web site at [www.ebi.calpoly.edu/ebi/symposium](http://www.ebi.calpoly.edu/ebi/symposium). □

## London theater company to stage "Cyrano" Feb. 7

London's acclaimed Aquila Theatre Company will perform the swashbuckling romantic adventure "Cyrano de Bergerac" at 8 p.m. Feb. 7 in the Cohan Center's Harman Hall in a Cal Poly Arts presentation.

Based on an historical figure and set in 17th century France, Edmond Rostand's "Cyrano de Bergerac" is a funny, poignant and often heart-wrenching love story. The play's unsightly hero finds an outlet for his unrequited love by wooing the alluring Roxanne through the guise of a handsome but shallow young man.

"Cyrano de Bergerac" takes the audience on a compelling journey through the romantic streets of Paris, the dramatic battlefields of Arras, and the hushed cloisters of a convent for the touching, emotional conclusion.

Founded in 1990, the Aquila Theatre Company has gained an international reputation as one of the foremost producers of touring classical theater. It performed the 1998 Cal Poly Arts presentation of "The Birds." Known for fresh and inventive productions, Aquila includes New York and British theater veterans.

English Professor Patricia Troxel will give a free pre-show lecture at 7 p.m. in the Cohan Center's Philips Hall.

Tickets for the play range from \$16 to \$28, with student discounts available. □

## Spring quarter fee waiver schedule

Employees are reminded of the following spring quarter fee waiver deadlines:

- Tuesday (Feb. 6) — Registration begins for fee waiver participants (see "Priority and Graduate Students" category in class schedule).

- March 7 — Last day to pay fees to avoid \$25 late fee.

- April 16 — Last day to submit fee waiver form to Human Resources and Employment Equity, Adm. 110.

Fee waiver guidelines, procedures and forms are available under "Training & Development/Employee Fee Waiver Program" on the Human Resources and Employment Equity Web site at [www.afd.calpoly.edu/hree](http://www.afd.calpoly.edu/hree).

For other information, call Joan Lund at ext. 6-6563. □



## Talk on manic-depression, depression set Friday

Cal Poly counselor Anne Goshen will discuss depression and manic-depression (also known as bi-polar disorder) at 10 a.m. Friday (Feb. 2) in the Smith Alumni and Conference Center.

The presentation will deal with types and causes of mood disorders, ways to recognize and combat depression in yourself and others, and signs that indicate when to seek professional help.

Bob Negranti of the Employee Assistance Program (EAP) said the presentation would be especially appropriate for faculty members and staff members who deal directly with students, because the college years are often the first time the symptoms of a mood disorder are experienced.

The presentation, free and open to all Cal Poly employees and students, is being held in conjunction with Friday's Mark S. Reuling Memorial Endowment Volleyball Challenge.

For more information on the talk, call the EAP at ext. 6-0327. For more information on the Volleyball Challenge, contact Joe Long at ext. 6-1366 or Vivian Phillips at ext. 6-5279. □

## Extended Ed courses

Extended Education's February courses include information technology, wine industry, wills, and adapted paddling for the disabled.

- Feb. 1: Microsoft Excel in Your Workplace, 6:10-9:30 p.m. You will learn to apply the top 75 Excel functions and formulas in this four-meeting course. \$198 includes course manual.

- Feb. 3: Understanding Durable Powers of Attorney, Wills and Trusts. 9 a.m.-1 p.m. Attorney Natalie Wall will give an overview of estate planning documents, such as trusts, wills and durable power of attorney in this one-day seminar for \$20.

- Feb. 3 Adapted Paddling, Sat., 9 a.m.-4 p.m., Sun. Feb. 4, 8 a.m.-4 p.m. Students with physical disabilities will receive an introduction to paddling kayaks or canoes with instruction in basic skill and practical experience in adapted paddling in this two-day course for \$80.

- Feb. 3 and 10: Vineyard Practices, 9 a.m.-4 p.m. You will gain an understanding of the internal and external factors

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## DATELINE . . .

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### Sunday, February 4

**Cohan Center Open House:**  
Backstage tours, music, dance.  
1-5 p.m.

### Tuesday, February 6

**Materials Engineering Student Societies Seminar:** Julia Weertman (Northwestern University), "Small is Strong: Nanocrystalline Materials," Air Conditioning 203, 11 a.m.  
**Music:** Trio Vanguard, BackStage Pizza, noon.

**Women in Science and Technology Series:** Julia Weertman (Northwestern University), "Women in Engineering: How to Succeed Without Giving Up Too Much," Cohan Center Philips Hall, 6 p.m.

**IEEE Speaker:** Joshua Lober (COM DEV Wireless), Engineering East 206, 7 p.m.

### Wednesday, February 7

**Panel Discussion:** Melody DeMeritt (English), Michael Lucas (Architecture), Bette Tryon (Psychology and Human Development), and Joel Westwood (English) discussing WINGED (Writing in General Education) workshops, Library 510, noon.

**Music:** John Bankston, BackStage Pizza, noon.

**Play:** "Cyrano de Bergerac," Cohan Center Harman Hall, 8 p.m. (\$) Pre-concert lecture, Patricia Troxel (English), Cohan Center Philips Hall, 7 p.m.

### Thursday, February 8

**Physics Forum:** Ernest J. Sternglass (U. of Pittsburgh School of Medicine), "A New Approach to the Crisis in Cosmology and Fundamental Particle Theory," Science E-45, 11:10 a.m.

**Centennial Biotechnology Lecture:** Patrick Scannon (XOMA) "Biotechnology: Past and Present," Chumash, 4:10 p.m.

**Speaker:** Ernest J. Sternglass (U. of Pittsburgh School of Medicine), "The Health Effects of Nuclear Fallout and Releases from Nuclear Power Plants," Business 213, 7:10 p.m.

**Dance Concert:** "Dance Perspectives," Orchesis Dance Company. Also Feb. 9-10. Theatre, 8 p.m. (\$) □

## Latest crop-protection software donated

Students will gain experience with the latest crop-protection software as a result of the joint efforts of the College of Agriculture, Crop Data Management Systems (CDMS) and the Helena Chemical Co.

A software system provided by CDMS and Helena contains constantly updated product-label information for more than 1,300 crop protection and specialty products. The information allows faculty members and students to manage increased production acreage as well as meet industry demand for more trained graduates in the field of integrated pest management.

Scott Steinmaus of Cal Poly's Crop Science Department said the system can be used for more than teaching.

"The CDMS system is so robust that the entire pest management needs of our 6,000-acre campus can be effectively and efficiently managed," Steinmaus said. "This creates more time for faculty to devote to student enterprise and senior projects and applied research, more accurate diagnosis and treatment of cropping problems, and safer storage and handling of material used in solving those problems."

One Cal Poly student a year will intern with both CDMS and Helena Chemical Company, with a goal of returning to campus as a teaching assistant and trainer in the Integrated Pest Management Laboratory. □

## Contest . . .

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are helping sponsor the team. The team is composed of the top five individuals in the All Products judging category at this year's national competition in San Francisco and the coach from the winning university team.

"It's rare," said Leslie Ferreira, head of the Dairy Science Department, "that all three members of a university team — even the winning team — finish among the top five individuals."

The purpose of the competition is to test a team's ability to correctly grade and score six different dairy products: butter, ice cream, milk, cottage cheese, yogurt and cheddar cheese. Four to six people recognized by industry as having expertise in their individual product areas will serve as judges. □



## Pianist Childs to perform with Cal Poly Jazz Bands

Special guest pianist Billy Childs will perform with Cal Poly's University Jazz Bands I and II at their annual Just Jazz Concert at 8 p.m. Feb. 24 in the Cohan Center's Harman Hall.

The two big jazz bands will be featured along with performances by the jazz combos and Cal Poly Vocal Jazz.

The ensembles will perform well-loved standards plus the best of contemporary jazz, according to Paul Rinzler, Music Department director of jazz studies.

Childs, according to the Los Angeles Times, "is well on his way to creating a singular voice in jazz as instrumentalist and improviser, as composer and as a bandleader. Classically trained, Childs couples formidable technique with musical situations that challenge him . . . thought-filled, exciting modern music that reaches for the future, yet remembers jazz's noble, swinging past."

The University Jazz Bands and combos are directed by music faculty members Rinzler and William Johnson. Cal Poly Vocal Jazz is directed by Music Professor Thomas Davies.

Childs will also present a free jazz clinic at 1 p.m. Feb. 24 in Room 216 of the Davidson Music Center.

Tickets cost \$9 to \$11 for students and children, \$14 to \$16 for senior citizens and Jazz Federation members, and \$17 to \$19 for the public.

The concert and clinic are sponsored by the College of Liberal Arts, Music Department, and Instructionally Related Activities program. For details, call ext. 6-2406. □

## Monday is deadline for scholarship nominations

The Status of Women Committee reminds campus departments that nominations are due Monday (Feb. 5) for five scholarships that recognize students who have demonstrated a commitment to the rights of women.

Only nominations submitted by faculty and staff members will be considered. For specific criteria refer to the Jan. 24 *Cal Poly Report* or call ext. 6-2851. Send nominations to Nilgun Sungar, Physics Department. □



## Two's company . . .

*More than 350 agriculture students from universities and community colleges across the nation gathered at Cal Poly Jan. 18-20 for the 6th annual Agriculture Ambassadors' Conference. Cal Poly's Ag Ambassadors give campus tours and travel around the state promoting higher education, agriculture and Cal Poly, primarily to high school and community college students.*

## Berlin Radio Choir to sing Feb. 15

The Berlin Radio Choir will perform at 8 p.m. Feb. 15 in the Cohan Center's Harman Hall in a Cal Poly Arts presentation that's part of the choir's 75th anniversary North American debut tour.

Conductor Robin Gritton will lead the 60-plus-voice choir in a classical program featuring Robert Schumann's Four Songs for Double Choir, Johannes Brahms' Six Quartets for Four Voices and Piano and his Gypsy Songs for Choir and Piano, Richard Strauss's "Evening," Felix Mendelssohn's Six Songs for Singing Outdoors, and Max Reger's Three Six-Part Songs for Mixed Choir.

The Berlin Radio Choir is one of the major institutions of the classical music world and a critically acclaimed partner of the foremost orchestras of Europe. Founded in the 1920s when radio came alive in Germany, its repertoire includes the great choral symphonic works, as well as folksongs and contemporary music.

Gritton joined the group in 1994 and conducts both a cappella concerts and symphonic engagements. He was trained at the Royal College of Music in London as a pianist, organist, cellist and singer before making his name as a conductor.

Cal Poly Music Department faculty member Jacalyn Kreitzer will present a pre-concert lecture at 7 p.m. in the Cohan Center's Philips Hall.

Tickets range from \$26 to \$38, with student discounts available.

This performance is dedicated to the memory of local arts patron Gladys Fiske and co-presented by KCBX FM 90.1. □

## O'Donnell wins

Rory O'Donnell in Contracts and Procurement Services won a \$25 Campus Express gift certificate in the Commuter and Access Services quarterly "registry" program drawing.

O'Donnell and others in the registry program are eligible for prizes when they use alternate forms of transportation at least 15 days a month during a quarter.

For details about alternative transportation and the registry program call Deby Anderson, Commuter and Access Services coordinator, at ext. 6-6680. □



## Position vacancies

**STATE:** For a complete listing of employment opportunities for state staff and management positions, you can:

- Check Cal Poly's Web site at [www.calpoly.edu](http://www.calpoly.edu). Select "Employment" from the Cal Poly links drop-down box;
- Come to the HREE office, Adm. 110, and view the posted positions;
- Call the HREE Job Line at ext. 6-1533.

For a listing of new openings, check The Tribune's Sunday edition.

Please note that applications for job openings must be received in the Human Resources and Employment Equity office, Adm. 110, by 5 p.m. on the closing date. Envelopes postmarked by the deadline will not be accepted.

**FOUNDATION** (Foundation Adm. Building, job line at ext. 6-7107). All Foundation applications must be received (not just postmarked) by 5 p.m. of the closing date. (No faxes.)

### Sales Clerk, Campus Dining -

Catering: \$9.50-12.35/hr. Closing date: Open until filled; review begins Feb. 9.

### Wildlife Technician, Biological

Sciences: \$12.11-15.76/hr. Closing date: Open until filled; review begins Feb. 9.

### Conference Coordinator, Conferences

Services: \$12.66-19.00/hr. Closing date: Open until filled; review begins Feb. 9.

**FACULTY** Candidates are asked to contact the appropriate department office at the phone number listed for more information or to request an application. Additional information and qualifications for each position may also be obtained online at <http://www.academic-personnel.calpoly.edu>. Please submit all application materials to the department head/chair unless otherwise specified in the ad. Rank and salary are commensurate with qualifications and experience (and time base where applicable), unless otherwise stated.

**Full-time Lecturer, Chemistry and Biochemistry:** Positions for the 2001-2002 academic year, primarily in general chemistry, often taught in a combined lecture/lab studio. Ph.D. required at time of hiring. Salary commensurate with experience. Send letter of application with reference to recruitment code #13047, resume, statement of professional goals, and teaching interests, and if available, evidence of successful teaching to: John C. Maxwell, chair, Chemistry & Biochemistry Department, Cal Poly, San Luis Obispo, CA 93407. Three letters of recommendation should be supplied directly by references. Please refer to Recruitment Code #13047 on all correspondence. Closing date: March 16.

## Physicist to talk . . .

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basis of a century of experience with medical X-rays."

Sternglass will talk at 7:10 p.m. Feb. 8 in the Rotunda (Room 213) of the Business Building on the topic of "The Health Effects of Nuclear Fallout and Releases from Nuclear Power Plants."

Also a noted cosmologist, he will give a technical lecture on "A New Approach to the Crisis in Cosmology and Fundamental Particle Theory" at a Physics Forum at 11:10 a.m. Feb. 8 in Room E-45 of the Science Building.

And in a talk aimed at a more general audience as part of the Philosophy at Poly series, Sternglass will address "Philosophical Implications of a Kantian Model of the Universe" at 4:10 p.m. Feb. 9 in Room 286 of Fisher Science Hall.

Sternglass has carried out extensive epidemiological studies on nuclear fallout and reactor releases. Among the evidence he cites on the question of nuclear power's effect on human health is an increase in the amount of radioactive material found in baby teeth.

"Within the last two years, measurements in baby teeth have shown rising levels of Strontium-90 near nuclear plants in many areas of the U.S., followed by rises in childhood and adult cancer rates as well as infant mortality," he says.

He is inviting San Luis Obispo County parents to bring their children's baby teeth to the Feb. 8 evening lecture so he can take them for analysis. If they can't attend the talk, they can call 1-800-582-3716 for envelopes and instructions on mailing teeth for analysis or download the information from the Web at [radiation.org](http://radiation.org).

This month Sternglass and other members of the New York-based Radiation and Public Health Project announced findings that radioactivity levels in baby teeth from children in southeastern Pennsylvania and nearby areas of New Jersey are the highest in the United States. They said the radioactivity likely comes from emissions from the several nuclear reactors in the area.

In his two lectures about the universe, Sternglass will discuss recent observations that have brought into question existing theories about its origin and structure.

"Among the most challenging discoveries," he says, "are the evidence that the universe appears to be expanding at an increasing rate under the action of a mys-

terious force that opposes gravity, and that an unknown form of dark matter seems to be far more abundant than the ordinary form of which we and our known world are composed."

He will describe the philosophical implications of a "simple new model... (that) leads to an ultimately stable universe that originated from a single well-known nuclear particle able to contain the entire mass of the universe during a period of trillions of years before the formation of ordinary matter at the moment of the Big Bang."

His most recent book, first published in 1997, is "Before the Big Bang: The Origins of the Universe." His other books are "Low-Level Radiation" and "Secret Fallout: Low-Level Radiation from Hiroshima to Three-Mile Island."

Sternglass joined the University of Pittsburgh in 1967 to direct its Radiological Physics and Engineering Laboratory. He earned his doctorate in engineering physics from Cornell University in 1953.

Sternglass's visit is sponsored by the Philosophy and Physics departments. □

## Extended Ed . . .

*Continued from page 4*

that can affect vine productivity and learn to develop successful vineyard production strategies. This \$290 course is part of the Wine Industry Certificate program.

- Feb. 5: Microsoft FrontPage, 6:30-9:30 p.m. Learn to use Microsoft FrontPage to create and manage professional quality Web sites in this one-day class for \$45.

- Feb. 6 and 8: Adobe Photoshop, Advanced, 6:30-9:30 p.m. Learn to share files and optimize your images for Web publication and strategies for successful printing in this two-day course for \$95.

- Feb. 13 and 15: Photoshop Web Graphics, 6:30-9:30 p.m. Adobe Photoshop is capable of producing exceptional web graphics. Learn how to use commands, palettes, tools and keyboard shortcuts to move between files in a seamless work flow in this two-day class for \$95.

For complete course descriptions go to Extended Education's Web site, [www.calpoly.edu/~exted](http://www.calpoly.edu/~exted). For more information and to register, call ext. 6-2053. □